

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEMESTER- Ist / IInd (SPFU) • REMEDIAL EXAMINATION – SUMMER-2015

Subject Code: TEE010

Date: 15/06/2015

Subject Name: Renewable Energy

Time: 2.30 to 5.00 PM

Total Marks: 70

Instructions: 1. Attempt any five questions.

2. Each question carries equal 14 marks.

Q.1 (a) Compare conventional energy sources with nonconventional energy sources.

(b) What is the means of renewable energy source? Compare various renewable energy Sources.

Q.2 (a) Explain applications of solar energy.

(b) Explain solar thermal systems as various aspects.

Q.3 (a) Explain tidal energy with its advantages and applications.

(b) Explain OTEC power plants.

Q.4 (a) Explain Solar Photovoltaic Systems.

(b) Explain site selection procedure for wind mills for power generation.

Q.5 (a) Explain characteristics of wind generators.

(b) Explain bio-conversion mechanism.

Q.6 (a) Explain applications of bio-conversion system.

(b) Compare solar energy with wind energy with respect to electrical power generation.

Q.7 (a) Explain operating principle and components of microhydel power plant.

(b) Explain advantages, disadvantages and applications of wind energy.
